

FIG. 2

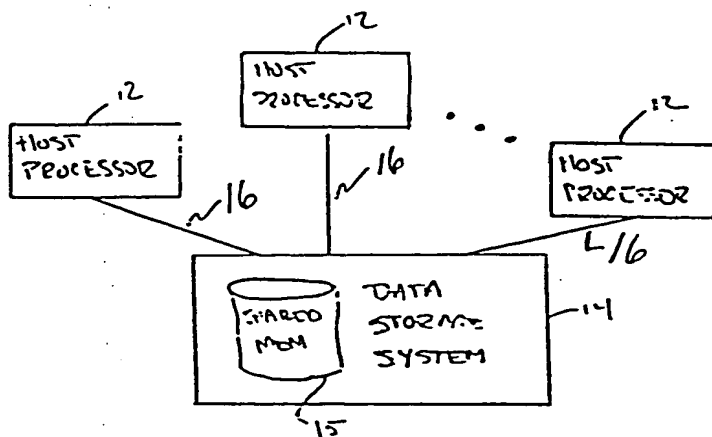


FIG. 1

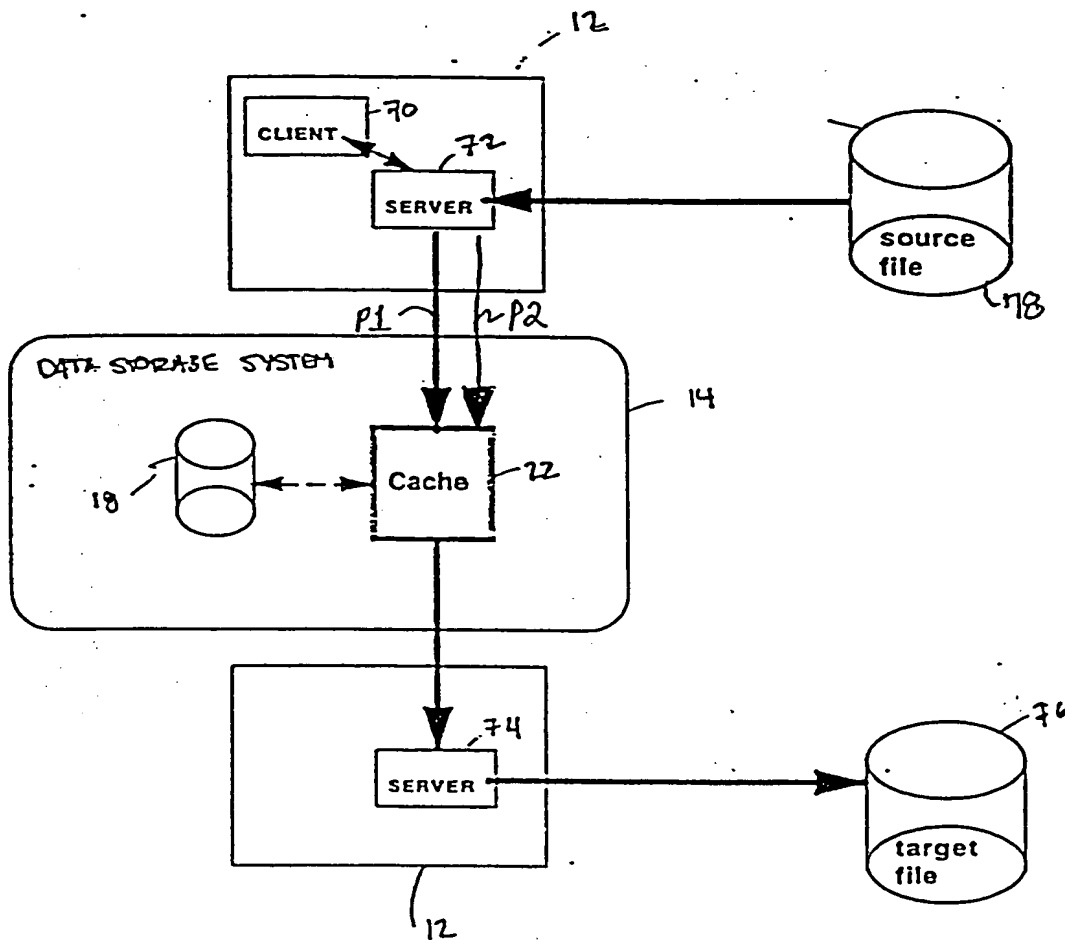


FIG. 3

Field Name	Field Usage
blk5_id	Block Identifier, set to "MAS_EMC" on master device. Copies are also written to secondary devices with id set to "SEC_EMC"
blk5_dev_id	Entry number of master device in device table
blk5_seg_size	Size of transfer segment in blocks
blk5_version	Master Control Block structure version number
blk5_time_id	Creation time of master block
blk5_tot_seg_num	Total number of transfer segments
blk5_process_id_table_ptr	Pointer to start of process id table structure
blk5_secondary_device_entrynum	Number of entries in secondary device table
blk5_start_process_segment_ptr	Pointer to process segment pointer table structures
blk5_max_connections	Maximum number of connections allowed
blk5_mast_sec_start_ptr	Pointer to process segment pointer table structures
blk5_mast_sec_start_setment_ptr	Pointer to start of data segments
blk5_ptr_seg_per_process	Number of segments per process (connection)
blk5_maxptr	Maximum number of segments per process
blk5_unix_filename	UNIX file name of master device

FIG. 4

Field Name	Field Usage
pro-process-id	Process (connection)id(=slot number)
pro_flag_process	Process flag field
pro_con_rc	Status code
pro_requestor	Name of requestor (initiator) process
pro_requestor_password	Password for requestor process
pro_requestor_type	OS Type of requestor
pro_requestee	Name of requestee (connector) process
pro_requestee_type	OS Type of requestee
pro_dtd	Command structure for initiator to connector comm.
InitM	Command structure for connector to initiator comm.

FIG. 5

Field Name	Field Usage
sec_dev_id	Device id (from configuration file)
sec_str_seg_ptr	Pointer to start of data segments for the device
sec_seg_number_for_device	Number of data segments on the device
sec_start_segment_number	Segment number of first segment on device (with the first segment on the first device being segment number 1)

FIG. 6

Field Name	Field Usage
ptr_process_segment_ptr	Starting block of data segment on disk
ptr_process_segment_flg	Segment status flag
ptr_process_block_seq	Segment sequence number
ptr_process_req_id	Process request sequence number
ptr_process_blk_read	Size of segment in blocks

FIG. 7

Start

Initiator process reads the Process ID Table from the master device 300

Scan the table looking for an open process (connection) entry. 302

Is it an open entry? 304

Re. rve the master device and re-read the table into memory. 306

Initiator process writes certain data into the open entry in the table to request a connection. 308

Write the Process ID Table back to the master device and release the device. 310

Poll Process Id Table for indication that connector process has accepted the connection. 312

END

FIG 8

Start

Connector process periodically reads the Process ID Table from the master device.

330

Scan the table looking for an unacknowledged connection entry containing name of connector process.

332

When connector process finds an unacknowledged entry requesting connection to it, the connector process reserves and re-reads the table from the master device.

334

Set the PRO_FLAG_PROCESSING bit.

336

Write the Process ID Table back to the master device and release the master device.

338

END

FIG 9

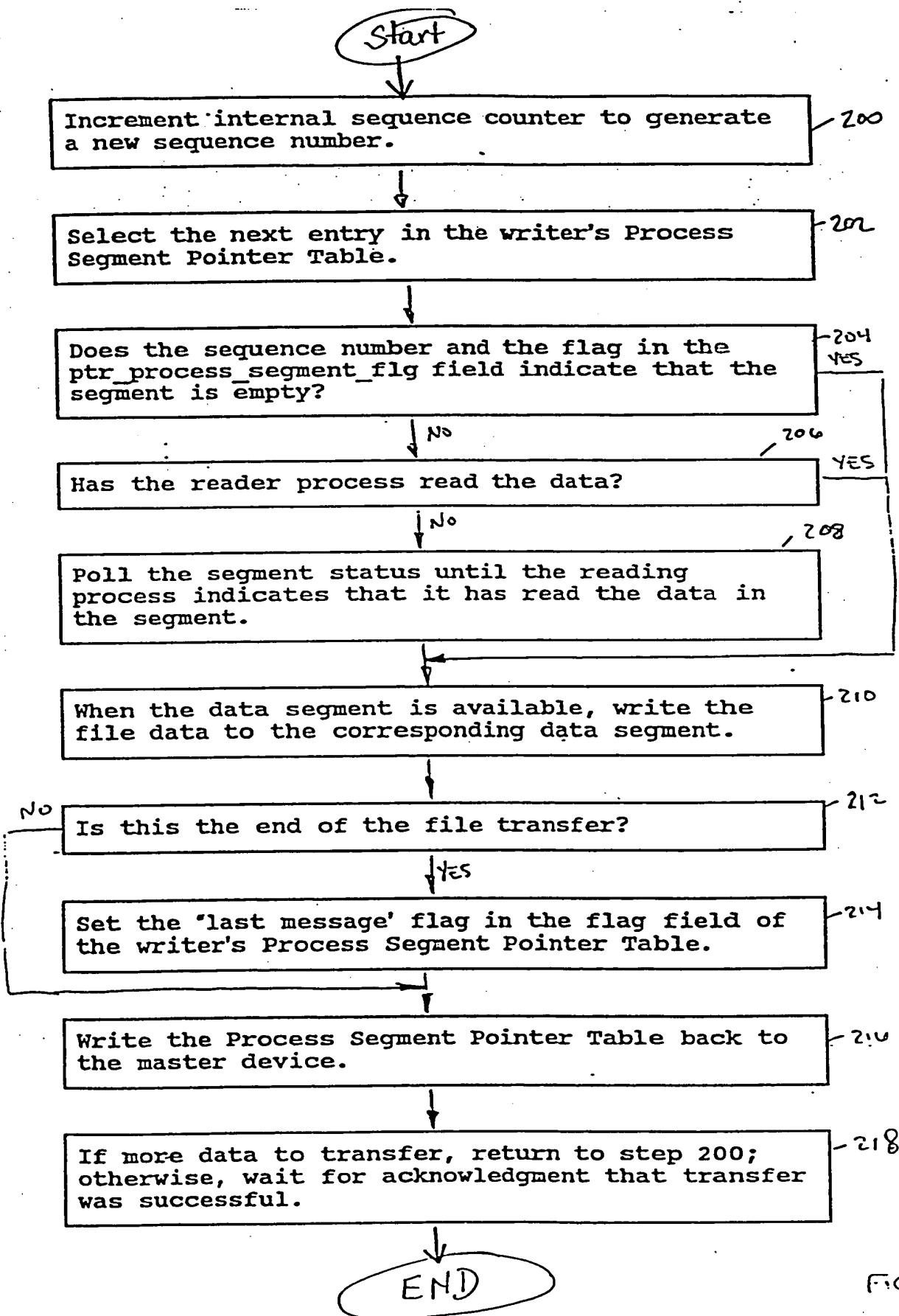


FIG. 10

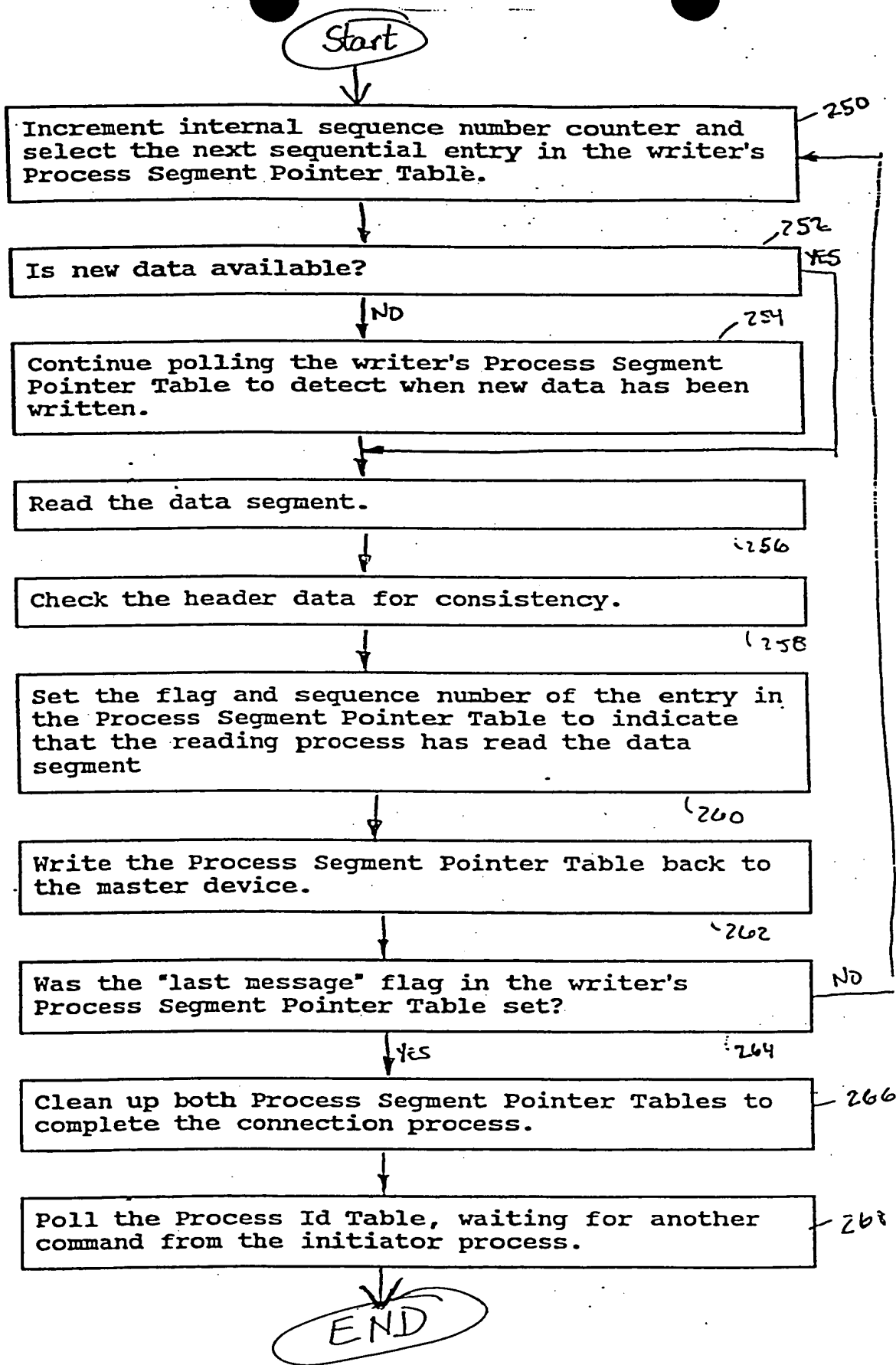


FIG 11

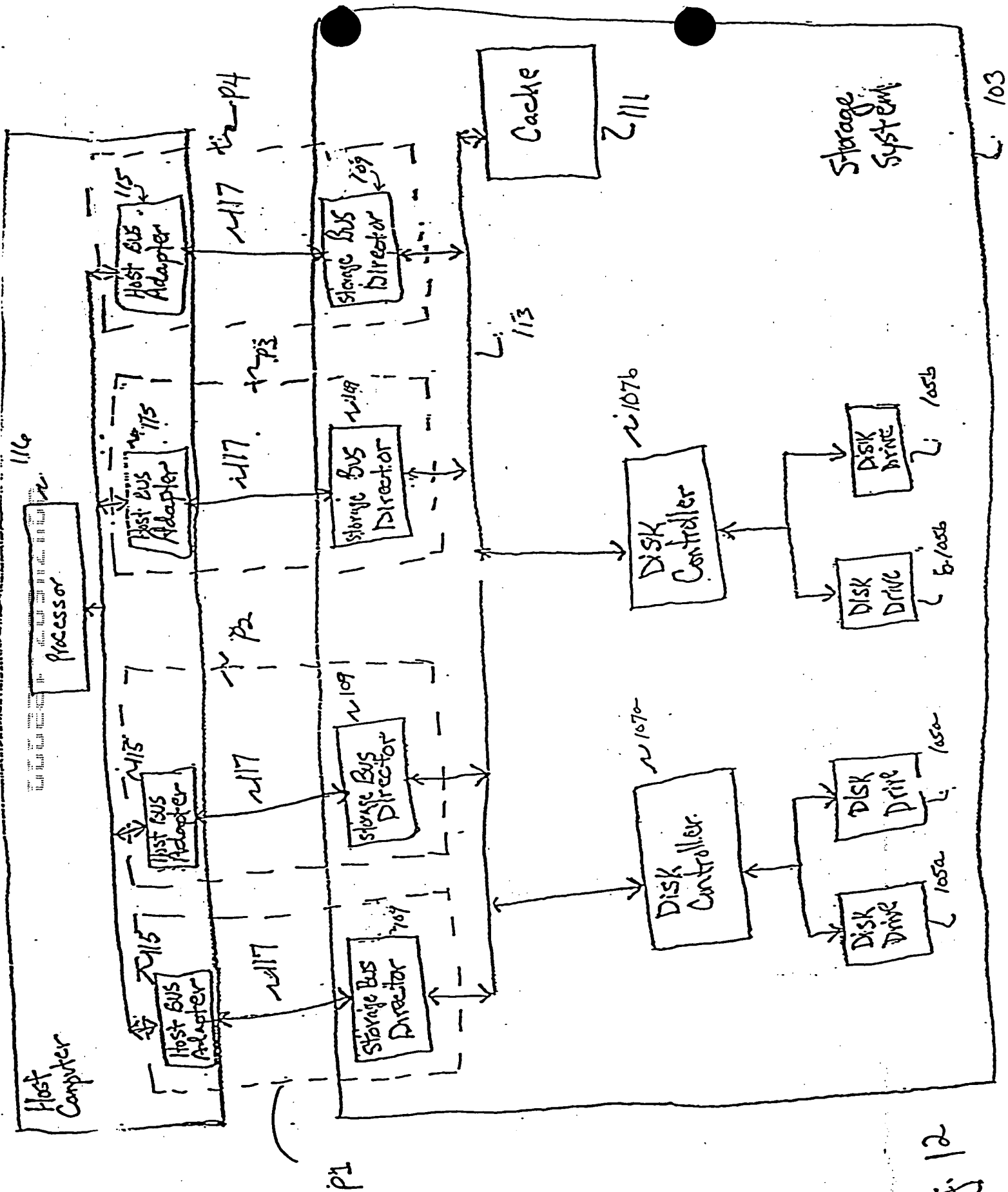


Fig. 12

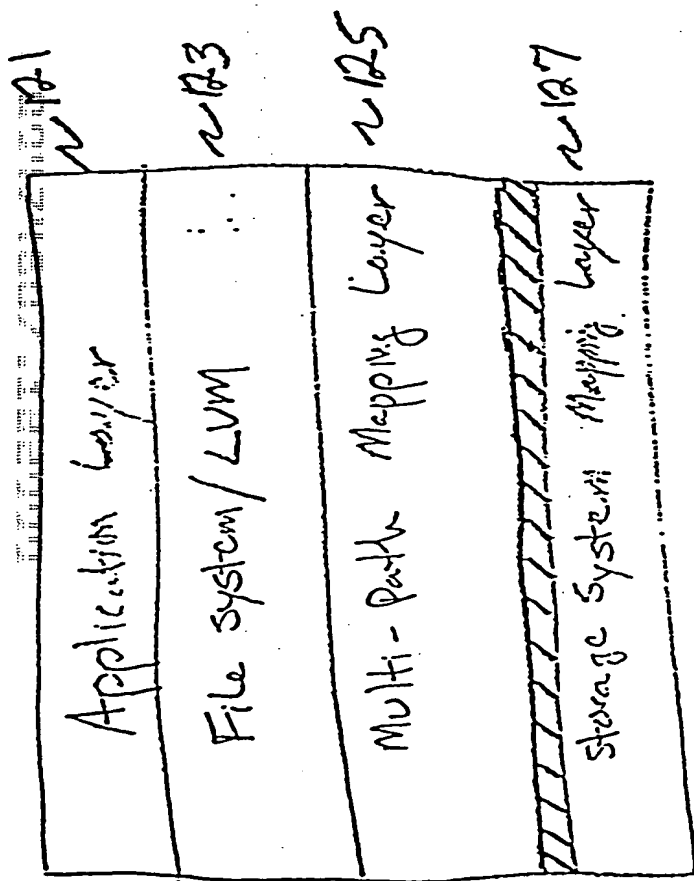


Fig. 13

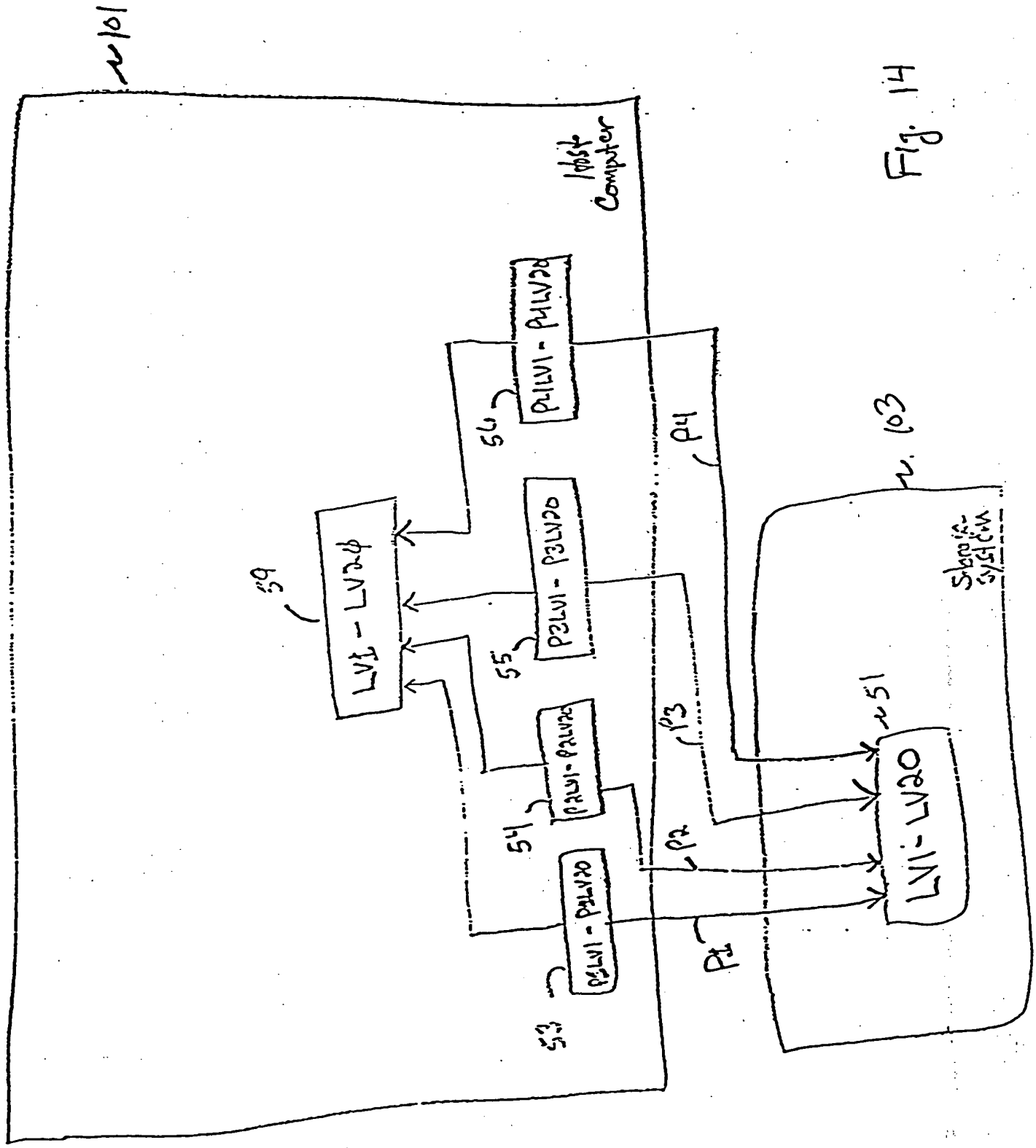


Fig. 14

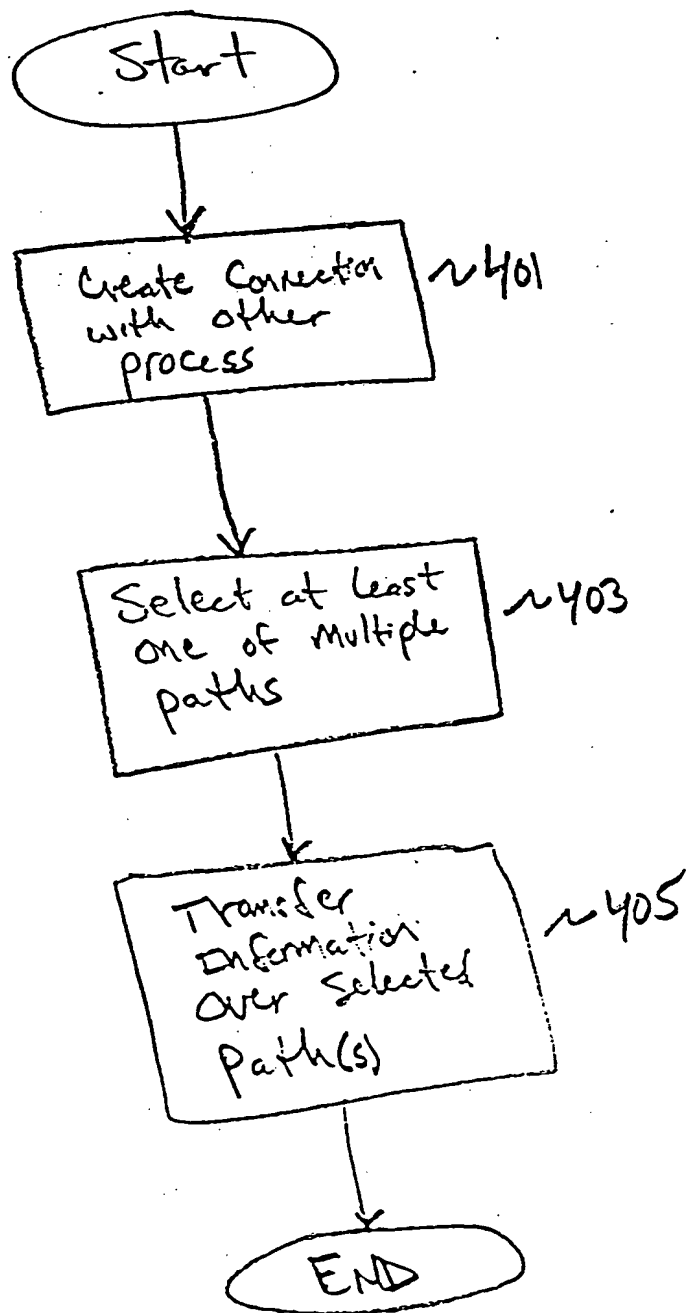


Fig 15